



Atmospheric Aerosols: Interaction between Vertical Distribution of Air Pollution and Its Transportation within Boundary Layer

Guest Editor:

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Message from the Guest Editor

With the improvement in global air pollution, the regional diffusion characteristics of air pollution within the boundary layer have attracted increasingly more attention. The interaction mechanism between the vertical evolution of air pollution within the boundary layer and its regional transport still requires studying, being of great significance for the improvement of the air quality model and air pollution control measures. The aim of this Special Issue is to provide recent advances in the field of the vertical distribution of air pollution and its correlations with regional transport, including the vertical evolution of air pollutants and their regional diffusion characteristics based on the combination of observation and modelling studies, and the vertical distribution of particulate matter chemical species and gas species at urban sites and background stations that, based on various observation methods. The topic is also highly relevant to innovative observation methods and model research methods for the vertical evolution of air pollutants and their regional diffusion characteristics.





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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